

Recovery Plan Action Status

Plan Name: Recovery Plan for *Haplostachys haplostachya* and *Stenogyne angustifolia*

Plan Status: Draft

Plan Date: 20-Sep-93

Lead Agency: USFWS

Lead Office: Pacific Islands Fish And Wildlife Office

(408)

(792-9400)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	11	Negotiate agreements for management of Pohakuloa habitat	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	12111	Choose which sub-populations to fence	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	12112	Construct and maintain fenced enclosures	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1212	Establish feral ungulate control program	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	

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Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1221	Determine effects of military activities	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1222	Develop base regulations restricting uses	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1223	Post signs around exclosures and other sensitive areas	Not Started			U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1231	Develop fire control plan for PTA habitat areas	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1232	Implement fire control plan at Pohakuloa	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1241	Remove alien plants within exclosures	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	

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Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	1242	Reduce alien plants outside exclosures	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	125	Control any additional limiting factors, if necessary	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	1	13	Develop and maintain a monitoring program	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	21	Study reproductive biology, pollinators and germination mechanisms	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	22	Assess the effects of introducing birds	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division, U.S. Army	Work type not yet selected	Labor type not yet selected	

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Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	23	Assess the effects of introduced insects	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	24	Assess the effects of disease	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division, U.S. Army	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	311	Locate extant but as yet undiscovered plants at PTA	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Army	Work type not yet selected	Labor type not yet selected	
No common name (Stenogyne angustifolia var. angustifolia)	2	3121	Locate extant but as yet undiscovered plants at Puu Anahulu	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
No common name (Stenogyne angustifolia var. angustifolia)	2	3122	Locate extant but as yet undiscovered plants at Waikoloa	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	

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Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	2	3131	Survey for both species on Maui	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	
No common name (Stenogyne angustifolia var. angustifolia)	2	3133	Survey for S. angustifolia on Molokai	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	3	41	Determine # of populations needed for long term survival	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	
Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	3	42	Determine # of individuals needed for long-term survival	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	

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Honohono (Haplostachys haplostachya), No common name (Stenogyne angustifolia var. angustifolia)	3	43	Revise recovery objectives	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Labor type not yet selected	